

Title (en)

Protein crystallography hanging drop lid that individually covers each of the wells in a microplate

Title (de)

Abdeckung zum Halten von Tropfen zur Proteinkristallisation mittels Dampfdiffusion

Title (fr)

Couvercle de microplaque à goutte pendante pour la cristallographie de protéines

Publication

EP 1384509 A3 20060315 (EN)

Application

EP 03076957 A 20030624

Priority

US 17831702 A 20020624

Abstract (en)

[origin: US2003235519A1] A lid that individually covers each of the wells in a microplate and methods for fabricating and using the lid are described herein. The lid includes a series of downwardly protruding necks each of which is sized to fit and seal against one of the wells formed within the microplate. And, each neck has a surface covered with a rubber-like substance that ensures a relatively tight seal with each well. In operation, the lid and microplate are preferably used together to grow protein crystals using a hanging drop vapor diffusion crystallization process.

IPC 8 full level

B01L 3/00 (2006.01); **C07K 1/30** (2006.01); **C30B 7/00** (2006.01); **C30B 29/58** (2006.01)

CPC (source: EP US)

B01L 3/508 (2013.01 - EP US); **B01L 3/50853** (2013.01 - EP US); **B29C 45/1676** (2013.01 - EP US); **C30B 7/00** (2013.01 - EP US); **C30B 29/58** (2013.01 - EP US); **B01L 2200/0689** (2013.01 - EP US); **B01L 2300/04** (2013.01 - EP US); **B01L 2300/0829** (2013.01 - EP US)

Citation (search report)

- [X] EP 0553539 A1 19930804 - SCHERING CORP [US]
- [A] WO 0047323 A1 20000817 - VIOLA JEAN PASCAL [CA], et al
- [A] DE 19843655 A1 20000330 - BAYER AG [DE], et al

Cited by

EP1666646A4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2003235519 A1 20031225; EP 1384509 A2 20040128; EP 1384509 A3 20060315

DOCDB simple family (application)

US 17831702 A 20020624; EP 03076957 A 20030624